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APRIL, 1987

A PUBLICATION OF THE INFORMATION CENTER BUREAU MONTANA DEPARTMENT OF ADMINISTRATION INFORMATION SERVICES DIVISION

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D. HALLING

News



FREELANCE PLUS Selected For Support

After evaluating several PC Graphics packages, the Information Center recommends FREELANCE PLUS. Support by the Information Center means that training and technical assistance will be available. FREELANCE PLUS was selected primarily for these reasons:

- 1. Ease of use. FREELANCE PLUS uses a menu structure similar to Lotus 1-2-3. Since many of our users will be generating data for graphs using 1-2-3, this will mean less training is necessary.
- 2. FREELANCE PLUS can easily import data from 1-2-3, Symphony or dBase to create graphs. One may also import 1-2-3 and Symphony graphs into FREELANCE PLUS and enhance them with freeform graphics or symbols from the extensive symbol library.
- 3. FREELANCE PLUS is a product of the Lotus Corporation. With our commitment to 1-2-3, it makes sense to use a companion graphics package supported by the same company.

Classes are tentatively scheduled for June 17 & 18. For a complete report on the evaluation of FREELANCE PLUS or to see sample graphs, see Gary Wulf in the Information Center or call 444-2555.

Mainframe Term Contract Changes

IBM has withdrawn the 3179 and the 3180 terminals from the term contract. They have replaced both models with the IBM 3192-C for \$1440.00 and the IBM 3192-D for \$1364.00. For more information on these terminals, call Mary Olson at 444-2861.

Microcomputer Term Contract Price Decrease

Data Northwest has decreased the price of the following term contract items:

- Leading Edge PC Model D/H \$1668.85 with a 30 megabyte hard disk
- Leading Edge PC Model D/H \$1597.85 with a 20 megabyte hard disk

Term Contract Deadline

The deadline for purchasing term contract items with FY87 funds is June 15, 1987. Please send purchase orders and justifications to Mary Olson by June 15, 1987.

Term Contract Freight

Term contract prices do not include freight. Actual freight charges will be added to the price. Contact the vendor for estimates.

GEASE USER GROUP

The dBASE user group meets the first Tuesday of each month at 8:30 in the State Library conference room. All dBASE users are welcome to attend. For more information, call Bob LaRue at 444-5408 or Gregg Wheeler at 444-3064.

Mailing List Update

Once again, it is time to update the ISD mailing list. Please check the label on the front of the newsletter. If it is not correct, please correct it and send the front cover back to the Information Center. If you do not want to tear the newsletter apart, please send us a note with the correct information noting whether you want the newsletter sent by mail, deadhead, or left in your box. Also, please check to see if newsletters are coming to your office for people who no longer work there or no longer wish to receive their own copy of News and Views. Please write the word "delete" on the front cover and send the front cover to the Information Center, Mitchell Bldg, Rm 24, Helena, MT 59620. Thanks for your consideration.

IBM announces new 3270 Emulation packages

The IBM PC 3270 Emulation Program Entry Level version 1.0 has been withdrawn from market. It has been replaced with the IBM 3270 Emulation Program Entry Level version 1.1. The new features in version 1.1 include:

- Entry Emulator High-Level Language Application Program Interface providing a high-level language program interface. This allows PC Programs written in IBM BASIC, Pascal, C, and COBOL to interface with the 3270 emulation Entry Level 1.1 program to emulate the actions of the terminal operator.
- Program Function Keys 13-24 supported.
- A Patch utility is provided to make changes to the code or data.

An upgrade option is available to upgrade from version 1.0 to 1.1 for \$75. These must be postmarked on or before November 16, 1987. Forms to upgrade to the new version are available from the Information Center Bureau. Questions concerning the upgrade may be directed to Ron Heilman at 444-2924.

The IBM PC 3270 Emulation Control Program version 2.0 has been withdrawn from market. It has been replaced with the IBM 3270 Emulation Control Program 3.0. The new features in release 3.0 include:

- IBM Token-Ring Attachment
- Direct attachment to IBM 3725 via Token-Ring Network, with no intervening gateway station.
- Configuration as a standalone or gateway
- Additional connectivity
- Distributed Functional Terminal (DFT) attachment (using the IBM 3278/79 Emulation Adapter) to an appropriately configured IBM 3274 Control Unit with BSC.

Upgrade options are available to upgrade from IBM 3270 Emulation Program Entry Level for \$240, the IBM PC Network SNA 3270 Emulation Program for \$75, and the IBM PC 3270 Emulation Program version 2.0 for \$75. These must be postmarked on or before July 31, 1987. Forms to upgrade to the new version are available from the Information Center Bureau. Questions concerning the upgrade may be directed to Ron Heilman at 444-2924.

IDMS/R Technical Tip

An article written by Mike Zarndt, of the Database Design and Administration Section, was recently published in Boxes and Arrows, a nationally distributed newsletter to users of Cullinet's IDMS/R database management system. Boxes and Arrows circulation is reaching over 40% of the 15,000 sites using IDMS/R, so Mike's contribution benefited a significant reader base.

Mike's article dealt with the use of the ADS/O programming language that is included with our IDMS/R database management system. The IDMS/R software includes a DEBUG facility which is intended to assist the programmer in the testing of ADS/O programs. Problems can occur after load module migration of programs using the DEBUG facility in which the IDMS/R system executed the "wrong" program.

Mike developed a method to prevent the IDMS/R software from referencing the ADS/O module that has been debugged using the DEBUG facility instead of the most current module that is intended to be used in production.

For the benefit of our IDMS users, the article has been distributed to everyone receiving the database bulletins. If you would like a copy, call the Systems Development Bureau at 444-3987.

DISOSS (Electronic Mail) User Group

A DISOSS User Group meeting is scheduled for Tuesday, April 28, 1987 in the Training Center (Room 25) of the Mitchell Building at 1:30 p.m.

A demonstration of the new release of Personal Services/PC (version 1.2) will be on the agenda. Some of the enhancements expected to be covered are:

- access to the Host Text Library, allowing you to store, search, retrieve, send, and delete documents from a library on the host
- o ability to delete both documents and messages from your file cabinet with one command
- when receiving a document, the pc file name will be the same as the senders pc file name (if you have a document by that name already on disk, the date stamp will be used)

We are also tentatively planning on covering the new enhancements of Personal Manager. Any ideas you have or subjects you would like to see covered during the user group, please call Jeanette at 444-2858. All interested persons are invited to attend. A reminder message about the User Group meeting will be sent out on DISOSS approximately one week before the meeting.

Personal Services Maintenance Release

IBM has already published a maintenance upgrade for Personal Service Version 1.2. This upgrade contains changes to four files in Personal Services. It is available free of charge from the Information Center.

We will provide this upgrade similar to the WordPerfect 4.2 upgrade. Bring a formatted diskette to the Information Center and we will copy the four files to your diskette. We will also provide instructions explaining which directories these files should be copied to on your machine. Questions can be directed toward Text Processing at 444-2858.

Current list of Electronic Mail (DISOSS) users.

Dept/Division	User ID	Address	User Name Word	d Processing
Admin/Accounting	ADACAD01	DSVHOST	Kathy Fabiano	WordPerfect
Admin/Arch&Engr.	ADAEAD01 ADAEAD02		Tom O'Connell Jean Christofferson	Displaywrite3 Displaywrite3
Admin/Central Serv	ADCSBA01 ADCSBA02 ADCSP001	DSVHOST	Karen Munro Earl Zuelke Jim Nys	WordPerfect WordPerfect WordPerfect
Admin/Director	ADDODRO1 ADDODRO2 ADDODRO4 ADDODRO5	DSVHOST DSVHOST	Ellen Feaver Dave Ashley Marv Eicholtz Nan LeFebvre	Displaywrite3 Displaywrite3 Displaywrite3 Displaywriter
Admin/General Serv	ADGSAD01 ADGSAD02	DSVHOST DSVHOST	Deane Blanton Sue Campbell	Displaywrite3 Displaywrite3
Admin/Info Serv	ADISAD02 ADISAD03	DSVHOST DSVHOST DSVHOST DSVHOST	Mike Trevor Sharon Gosnell Jim Christnacht Linda Cuchine	WordPerfect WordPerfect WordPerfect WordPerfect
Admin/Info Serv/ICB	ADISICO2 ADISICO3 ADISICO4 ADISICO8 ADISICO9 ADISIC10 ADISIC11 ADISIC12	DSVHOST	Dave Marshall Pat Emineth Randy Holm Ron Heilman Teri Lundberg Jeanette Rushford Mel Liston Sandi Coyle Brett McAlister Text Unit	WordPerfect Displaywrite3 WordPerfect WordPerfect WordPerfect WP and DW3 WP and DW3 WP and DW3 WORDPERFECT WP and DW3
Admin/Info Serv/Oper	ADISOP01	DSVHOST	Paul Rylander	WordPerfect
Admin/Info Serv/RMU	ADISRM02	DSVHOST DSVHOST DSVHOST	Amy Palmer Mary Olson Al Tompkins	WordPerfect WordPerfect WordPerfect
Admin/Info Serv/SDB	ADISSD90	DSVHOST DSVHOST DSVHOST	Jeff Brandt Lois Lebahn Sharon Ranstrom	WordPerfect WordPerfect WordPerfect
Admin/Info Serv/Tele	ADISTC02	DSVHOST DSVHOST DSVHOST	Tony Herbert Dennis Sheline Carl Hotvedt	WordPerfect WordPerfect WordPerfect

Admin/Info Serv/Tele	ADISTC90	DSVHOST	Phyllis Ballenger	WordPerfect
Admin/Prsnl	ADPDAD01	DSVHOST	Laurie Ekanger	Displaywrite3
Admin/Prsnl	ADPDAD02	DSVHOST	Ginny Kalchbrenner	Displaywrite3
Admin/Prsnl/Classif	ADPDCB01	DSVHOST	John McEwen	WordPerfect
Admin/Prsnl/Empl Rel	ADPDER01	DSVHOST	Mark Cress	Displaywrite3
Admin/Prsnl/Lab Rel	ADPDLR01	DSVHOST	Rodney Sunsted	WordPerfect
Admin/Prsnl/Word Proc	ADPDWP01	DSVHOST	Bev Pickett	Displaywriter
Admin/Publ. & Graphics	ADPGAD01	DSVHOST	Don Breiby	Displaywrite3
Admin/Purchasing	ADPUAD01	DSVHOST	Mike Muszkiewicz	Displaywrite3
Admin/Tort Claims	ADTCAD01	DSVHOST	John Maynard	Displaywrite3
Governor's/OBPP	GOOBPP01	DSVHOST	Terry Johnson	WordPerfect
Highways/Billings '' /Butte '' /GT. Falls '' /Missoula '' /Glendive '' /Helena '' ''	HWBLGS HWBUTTE HWGFALL HWMSLA HWGLNDV HWHLNA1 HWHLNA2 HWHLNA2	DSVHOST DSVHOST DSVHOST DSVHOST DSVHOST DSVHOST DSVHOST	Billings District Butte District Great Falls District Missoula District Glendive District Helena Headquarters Helena Headquarters Environmental Unit	Displaywriter t " " " " " WordPerfect
Revenue/Director	REDO080	LOCNAA	Debbie Hanna	DOSF
Revenue/Data Process	REDP051 REDP061 REDP0P01 REDP0P02		Sharon Beaver Mike Zahn Bill Gilleland Mark Johnson	DOSF DOSF WordPerfect WordPerfect

TRAINING

Free Seminars

The following short seminars are free. Call Gale at 444-2974 to sign-up.

May 22, 1987

Disk Management

8:30 am to 10:30 am

How to allocate and authorize datasets with the Online Disk Management System.

1:30 pm to 3:30 pm

SAS Online Applications

Though SAS stands for Statistical Analysis System, it includes not only a complete programming language but an online facility as well. This demonstration will show how online SAS can be used to design screens for entering data in minutes. The screens may be used for survey data to be analyzed by the powerful statistical procedures of SAS, or as a quick prototyping tool for designing traditional online data processing systems.

June 12, 1987

ISPF

8:30 am to 10:30 am

Learn advanced editing commands and selected utilities. Shifts and bounds, overlays, excluding ranges, picture strings, text handling, and entry assist will be discussed. SDSF, catalog inquiry and management, and the move/copy utilities will also be covered.

State Data Network Classes

Apr	6 (a.m.)	Using SDSF (free)
Apr	6 (p.m.)	Basic Computer Concepts (free)
Apr	17	Basic Terminal Skills
Apr	21 (p.m.)	Personal Services/PC
Apr	23 (p.m.)	Personal Manager
May	11-15	Introduction to JCL
May	19 (p.m.)	Personal Services/PC
Mav	21 (p.m.)	Personal Manager

Microcomputer Classes

Apr Apr	7, 8	Beginning Microcomputer Skills Crosstalk XVI
	10	
	13	
Apr	20-21	Introduction to WordPerfect (Full - Next Class May 7 and 8)
Apr	22-23	Introduction to Lotus 1-2-3 (Full - Next Class May 18 and 19th)
Apr	24	Spreadsheet Design and Documentation
May	4, 5	Beginning Microcomputer Skills
	6	Fundamentals of DOS (Full - Next Class June 24)
May	7, 8	Introduction to WordPerfect
May	18, 19	Introduction to Lotus 1-2-3
May	20	Using the IBM Token Ring
May	21	Macro Feature of Lotus 1-2-3
May	27	Micro Database Concepts and Design
_	28-29	Beginning R:Base System V
	4, 5	
Jun	8, 9	Introduction to Lotus 1-2-3

TRAINING SCHEDULE

STATE DATA NETWORK CLASSES

USING PERSONAL SERVICES/PC (PS/PC): presented by Jeanette

Rushford and Mel Liston of the

Information Center

DATE: April 21, 1987 May 19, 1987

TIME: 1:00 pm to 4:30 pm

PLACE: Room 25, Mitchell Building

COST: \$35.00 LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills and

experience with either WordPerfect or

Displaywrite3

PS/PC allows you to electronically send and receive messages or files. A document created by either WordPerfect or Displaywrite3 can be distributed to any other person also using PS/PC by going through DISOSS on the state's mainframe. To use PS/PC you must have the Personal Services/PC software, the IBM PC 3270 Emulation Program and adapter, and a coaxial cable or phone line connecting your PC to the mainframe.

PERSONAL MANAGER (PM): presented by Teri Lundberg of the

Information Center

DATE: April 23, 1987 May 21, 1987

TIME: 1:30 pm to 3:30 pm

PLACE: Room 25, Mitchell Building

COST: \$25.00 LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills or Basic

Terminal Skills

Personal Manager is a calendaring product available to anyone who can establish a session with the mainframe. It is used for scheduling meetings (for yourself and others), reserving resources like conference rooms and even taking telephone messages.

BASIC TERMINAL SKILLS: presented by Wendy Wheeler of the Information Center

DATE: April 17, 1987

TIME: 8:30 a.m. to 4:00 p.m. Room 25, Mitchell Building

COST: \$50.00

LIMIT: 8

PREREQUISITE: 3270nd (interactive class on terminal

operation)

BASIC TERMINAL SKILLS is a hands-on workshop to provide experience using computer terminals and the SPF editor. The SPF editor is an easy-to-learn menu used to enter data and programs into the State of Montana central computer system. Entering data, changing data and submitting programs for execution are covered in detail. Also covered are SPF's utility functions and how to track job output.

This course is essential for state government personnel using terminals tied into the State of Montana central computer. This course is a prerequisite for many other ISD classes.

INTRODUCTION TO JCL: presented by Randy Holm and Gary Wulf of

the Information Center

DATE: May 11 - May 15, 1987

TIME: 8:30 am to 4:00 pm each day PLACE: Room 25, Mitchell Building

COST: \$150.00

LIMIT: 8

PREREOUISITE: Basic Terminal Skills (ISD12)

This course is designed for programmers, I/O controllers, operations technicians or users of report-writing software who submit jobs on ISD's system.

This course will cover:

Syntax and coding of IBM Job Control Language (JCL) MVS operating system
How to handle datasets and device assignments
Some of the IBM utilities
Troubleshooting and interpreting system messages
Hands-on experience writing and executing JCL

MICROCOMPUTER CLASSES

BEGINNING MICROCOMPUTER SKILLS: presented by the staff of the Information Center

DATE: (one day only) May 4, 1987 May 5, 1987

Jun 4, 1987 Jun 5, 1987

TIME: 8:30 a.m. to 4:30 p.m.

PLACE: Room 25, Mitchell Building

COST: \$50.00 LIMIT: 10 PREREQUISITE: None

This course will give participants brief hands-on experience with microcomputers. Topics to be covered:

The machine

The operating system

Word processing

Spreadsheets and graphics

File management Communications

All class time will be spent using microcomputers and software. The participant will learn what microcomputers can do and how to approach them with a positive attitude. This course or its equivalent is a prerequisite for other microcomputer courses.

USING THE IBM TOKEN RING NETWORK: presented by Ron Heilman of the Information Center

DATE: May 20, 1987

TIME: 8:30 am to 4:30 pm

PLACE: Room 25, Mitchell Building

COST: \$50.00

PREREQUISITE:

Beginning Micro Skills and Token Ring user

This class is for those <u>using</u> the Token Ring to share access to programs, files and printers. The main topics to be covered are:

Introduction to basic network concepts and terminology

Advantages and disadvantages to networking

What is a Token Ring Network and how does it work?

How to perform common network tasks using the network menus (ex: messaging, cancelling print jobs, etc.)

Simple problem and error determination

Sharing files and programs with the network

Some network management considerations

NOTE: This class is $\underline{\text{not}}$ intended for network system administrators or network programming staff. Contact Ron Heilman at 444-2924 if you have any questions.

WORD PROCESSING CLASSES

INTRODUCTION TO WORDPERFECT: presented by Melanie Liston of the

Information Center

DATE: May 7 and 8, 1987

TIME: 8:30 am to 3:30 pm on first day

8:30 am to noon on second day

PLACE: Room 25, Mitchell Building

COST: \$75.00 LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills

This course is intended for anyone interested in learning the basics of WordPerfect. This class will concentrate on text creation, use of function keys, editing, formatting, printing, filing, and retrieving documents. Merging documents, macro creation, block functions and use of the spell checker are also covered.

DATE: April 10, 1987
TIME: 8:30 am to 4:30 pm

PLACE: Room 25, Mitchell Building

COST: \$50.00 LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills or

equivalent

Displaywrite 3 is IBM's microcomputer word processing package. This course will introduce the professional to DW3's comprehensive menu structure, cover the basics of creating, revising, paginating and printing documents.

SPREADSHEET CLASSES

INTRODUCTION TO LOTUS 1-2-3: presented by Brett McAlister of the Information Center

May 18 and 19, 1987 DATE:

June 8 and 9, 1987

8:30 am to 3:30 pm on the first day 8:30 am to 12:00 noon the second day TIME:

Room 25, Mitchell Building PLACE:

\$75.00 COST: 10

LIMIT:

Beginning Microcomputer Skills PREREQUISITE:

This course is designed for anyone with little or no previous 1-2-3 or microcomputing experience.

INTRODUCTION TO LOTUS 1-2-3 will concentrate on 1-2-3 spreadsheet creation and editing. Building formulas, using functions, formatting information, the 1-2-3 command structure and the creation of graphics is covered. Printing spreadsheets and graphs is also included. The more advanced features such as macro programming and database commands are covered in other classes.

Class format consists of lecture and hands-on practice followed by lab time on actual agency spreadsheets for further experience.

SPREADSHEET DESIGN AND DOCUMENTATION: presented by Ron Heilman of the Information Center

April 24, 1987 DATE: 8:30 am to 4:30 pm TIME:

Room 25, Mitchell Building PLACE:

\$50.00 COST: 10 LIMIT:

Introduction to Lotus 1-2-3 PREREQUISITE:

This class will emphasize the importance, effectiveness and the organizational benefits of good spreadsheet design and documenta-The Lotus 1-2-3 spreadsheet program will be used to demonstrate good and bad techniques. Some methods to track down common mistakes and logic problems will be covered.

Students should have previous spreadsheet experience. A general knowledge spreadsheet applications and concepts is required. Minimum requirements can be met by completing the "Introduction to Lotus 1-2-3" class. Students are not required to be 1-2-3 users, however, if this is the case, or if you are not sure if you meet the minimum requirements, please call Ron at 444-2924.

MACRO FEATURE OF LOTUS 1-2-3: presented by Brett McAlister of the Information Center

DATE: May 21, 1986

TIME: 8:30 a.m. to Noon

PLACE: Room 25, Mitchell Building

COST: \$35.00 LIMIT: 10

PREREQUISITE: Intro to Lotus or equivalent

experience

The macro programming capabilities of 1-2-3 can help you automate 1-2-3 tasks, saving time and keystrokes. A macro is a sequence of keystrokes and commands stored in your worksheet for execution when desired.

This class is for 1-2-3 uses who have no previous macro experience. Through lecture, video and hands-on practice, participants will learn to write and document timesaving macros.

COMMUNICATIONS CLASS

CROSSTALK XVI: presented by Ron Heilman of the Information Center

DATE: April 9, 1987

TIME: 8:30 a.m. to 4:30 p.m. PLACE: Room 25, Mitchell Building

COST: \$50.00 LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills

Crosstalk XVI is a microcomputer communications software package. This course is designed to familiarize the user with asynchronous communications using a microcomputer and this software. It explores what can and cannot be done and how it is done. It will also teach the user how to use and configure Crosstalk XVI for communicating with remote computers. Most features of Crosstalk XVI (with the major exception of the script file command language) will be covered.

DATABASE CLASSES

> > * * * NEW CLASS * * * < <

MICRO DATABASE CONCEPTS AND DESIGN: presented by Randy Holm of

the Information Center

DATE: May 27, 1987

TIME: 8:30 am to 4:30 pm

PLACE: Room 25, Mitchell Building

COST: \$50.00 LIMIT: 10

PREREOUISITE: Beginning Microcomputer Skills

This class is designed to give participants a primary understanding of what a relational database is and how it compares to other products like Lotus 1-2-3 and PFS:Professional File. The class teaches database design techniques and is a prerequisite for other database classes offered by the Information Center.

> > * * * NEW CLASS * * * < <

BEGINNING R:BASE SYSTEM V: presented by Randy Holm of the Information Center

DATE: May 28 and May 29, 1987
TIME: 8:30 am to 4:30 pm each day
PLACE: Room 25, Mitchell Building

COST: \$100.00

LIMIT: 10

PREREQUISITE: Beginning Microcomputer Skills and Micro

Database Concepts and Design

This class will give participants hands-on experience creating a database and developing a simple application with R:Base System V. The application will include database updates, queries, and simple forms and reports generation. "Prompt by Example" and "Express" will be used.

COMPUTER BASED TRAINING

The following free tutorials are available in the Computer Based Training Lab located in Room 24 of the Mitchell Building. The tutorials are either diskette or video-based. All are designed for individual study and self-pacing. Tutorials available in the CBT lab include:

Using Displaywrite 3
Disk Operating System (DOS)
Intro to Lotus 1-2-3
Macro Programming & Advanced Lotus 1-2-3
Typing Instructor
Teach Yourself WordPerfect

Call Gale in the Information Center at 444-2974 to reserve time in the lab or to check out the tutorials.

FULL CLASS FEE WILL BE BILLED TO THE REGISTRANT UNLESS CANCELLATIONS ARE MADE THREE DAYS BEFORE THE DATE FOR EACH CLASS.

ISD ENROLLMENT APPLICATION (FOR ALL COURSES)

PLEASE COMPLETE THE FOLLOWING APPLICATION AND RETURN TO INFORMATION SERVICES DIVISION

COURSE:
DATE:
STUDENT:
AGENCY/DIVISION:
MAILING ADDRESS:
PHONE:
ISD BILLING NUMBER:
SOC SEC NO (FOR P/P/P):
AUTHORIZED SIGNATURE:
HAVE YOU MET THE PREREQUISITES FOR THIS COURSE? PLEASE EXPLAIN GIVING JOB EXPERIENCE OR CLASS WHEN APPLICABLE

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Editor: Teri Lundberg

DEPARTMENT OF ADMINISTRATION INFORMATION SERVICES DIVISION INFORMATION CENTER BUREAU RM 24, MITCHELL BLDG HELENA, MT 59620